Omnitron Systems Technology, Inc.

FlexPoint™ 100Fx/Tx User Instructions

Description:

The FlexPoint™ 100Fx/Tx converts between Fast Ethernet 100Base-Fx fiber and 100Base-Tx twisted pair (RJ45 UTP) cabling. It operates in Half-Duplex (HD) or Full-Duplex (FD). The following multimode (MM) and single-mode (SM) models are described here:

Model	Fiber Type	Max Distance	Connector
4330	1310 nm (MM)	5 km	SC
4331	1310 nm (SM)	30 km	SC
4332	1310 nm (MM)	5 km	ST
4333	1310 nm (SM)	30 km	ST
4334	1310 nm (SM)	60 km	SC
4335	1310 nm (SM)	60 km	ST
4336	1310 nm (MM)	5 km	MT-RJ
4337	1310 nm (SM)	30 km	MT-RJ
4338	1310 nm (MM)	5 km	VF-45
4350	1550 nm (SM)	85 km	SC
4351	1550 nm (SM)	120 km	SC
4353	1310 nm (MM)	5 km	LC

For optical budget specifications, see this product's data sheet.

Power Adapter Notice:

1.When Using in a stand-alone configuration, this product is intended to be and must be used only with a Listed Direct Plug-In Power Unit marked "Class 2" and rated at 9Vdc, 1 Amp.

2.This product should always be used only with Omnitron Supplied Power Unit model number 9113-PS.

WARNING!

Before inserting the Power Adapter, verify that the power on the unit is appropriate for your AC line voltage source.

Mounting and Cable Attachment:

The FlexPoint 100Fx/Tx can be solo-mounted using a wall-mounting kit, or rack-mounted using a 5-position shelf, FlexRack 5, or a high-density FlexPoint Powered Chassis.

Attach the FlexPoint 100Fx/Tx UTP via a category 5 cable to a 100Base-Tx Fast Ethernet device.

Attach the FlexPoint 100Fx/Tx fiber via cable to a 100Base-Fx Fast Ethernet device. The FlexPoint transmit (Tx) must attach to the receive side on other device; the receive (Rx) must attach to the transmit.

Switch Settings:

"RJ45 Cross-Over" Switch: When connecting the UTP to a hub or switch, set switch to "Straight-Through" (factory setting). When connecting to a workstation, set it to "Cross-Over."

"Auto-Negotiation/Manual" Switch: When in "Manual" , the FlexPoint operation is selected by the "Full-Duplex/Half-Duplex" switch. When in "Auto-Negotiation" (factory setting), the FlexPoint automatically selects Full or Half-Duplex operation depending on the "Full-Duplex/Half-Duplex" switch position and the features of the device connected to its UTP cable.

"Full-Duplex/Half-Duplex" Switch: When the "Auto-Negotiation/Manual" switch is in "Manual" position, the "Full-Duplex/Half-Duplex" switch determines the type of duplex operation mode.

When the "Auto-Negotiation/Manual" switch is in "Auto-Negotiation" position, the "Full-Duplex/Half-Duplex" switch advertises its setting to the device connected to the UTP port. When set to "Half-Duplex", the FlexPoint will operate in Half-Duplex. When set to "Full-Duplex" (factory setting), the FlexPoint will operate in Full-Duplex or Half-Duplex depending on the features supported by the other device.

Half-Duplex must be used when connecting to a hub. Full-Duplex can be used when connecting switches or between a switch and a Full-Duplex workstation.

LED Indicators:

LED	Color	Description
Power On	Yellow	Power applied
Auto-Neg	Green	The UTP side switch is set to "Auto-Negotiation" position.
Full-Duplex	Green	Full-Duplex selected.
Half-Duplex	Green	Half-Duplex selected.
Fiber Lk/Rx	Green	Solid: Link Flashing: Data received.
Fiber Error	Red	Data errors detected on fiber.
UTP Lk/Rx	Green	Solid: Link Flashing: Data received.
UTP Error	Red	Data errors detected on UTP.

User Warranty Registration

Please register on-line @ **http://www.omnitron-systems.com** or complete both sides and mail or fax this registration form to:

FlexPoint Type: 100Fx/Tx, Fiber Type:_____Connector: _____

Model: _____ Purchase Date: _____

Serial Number: _____

Purchased From: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Country: _____

Comments and Suggestions: _____

_____

_____

Please complete both sides of this form

Technical Support:

For help with this product, contact our Tech. Support:

Phone: (949) 250-6510
Fax: (949) 250-6514
Address: Omnitron Systems Technology, Inc.
140 Technology Drive, #500
Irvine, CA 92618 USA
E-mail: support@omnitron-systems.com
URL: http://www.omnitron-systems.com

Warning

The operating description in this Instruction Manual is for use by qualified personnel only. To avoid electrical shock, do not perform any servicing of this unit other than that contained in the operating instructions, unless you are qualified and certified to do so by Omnitron Systems Technology, Inc.

Caution

All user-required operations can be performed without opening the unit. Never attempt to open or remove the cover or tamper with the unit.

Warranty

This product is warranted to the original purchaser against defects in material and workmanship for a period of TWO YEARS from the date of shipment. A LIFETIME warranty may be obtained by the original purchaser by REGISTERING this product with Omnitron within 90 days from the date of shipment. TO REGISTER, COMPLETE AND MAIL OR FAX THE REGISTRATION PORTION OF THIS INSTRUCTION MANUAL TO THE INDICATED ADDRESS. During the warranty period, Omnitron will, at its option, repair or replace a product which is proven to be defective.

For warranty service, the product must be sent to an Omnitron designated facility, at Buyer's expense. Omnitron will pay the shipping charge to return the product to Buyer's designated US address using Omnitron's standard shipping method.

Limitation of Warranty

The foregoing warranty shall not apply to defects resulting from improper or inadequate use and/or maintenance of the equipment by Buyer, Buyer-supplied equipment, Buyer-supplied interfacing, unauthorized modifications or tampering with equipment (including removal of equipment cover by personnel not specifically authorized and certified by Omnitron), or misuse, or operating outside the environmental specification of the product (including but not limited to voltage, ambient temperature, radiation, unusual dust, etc.), or improper site preparation or maintenance.

No other warranty is expressed or implied. Omnitron specifically disclaims the implied warranties of merchantability and fitness for any particular purpose.

Exclusive Remedies

The remedies provided herein are the Buyer's sole and exclusive remedies. Omnitron shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any legal theory.

Form: 040-04330-001E 11/07

User Warranty Registration

Please register on-line @ **http://www.omnitron-systems.com** or complete both sides and mail or fax this registration form to:

Omnitron Systems Technology, Inc.
140 Technology Drive, #500
Irvine, CA 92618, USA
Fax: (949) 250-6514

Name: _____

Company: _____

Address: _____

_____

City: _____ State: _____ Zip Code: _____

Country: _____

Phone: _____ Fax: _____

E-mail: _____

Please complete both sides of this form